



| P/S | /CS1 | CS2 | A0 | /RD | /WR | C86 | D7 | D6 | D5-D0 |
|-------------------|------|-----|----|-----|-----|-----|----|-----|-------|
| H: Parallel Input | /CS1 | CS2 | A0 | /RD | /WR | C86 | D7 | D6 | D5-D0 |
| L: Serial Input | /CS1 | CS2 | A0 | - | - | - | SI | SCL | (HZ) |

* "-" indicates fixed to either "H" or "L"

| Item | Set value | units |
|------|------------|-------|
| c1 | 1.0 to 4.7 | uF |
| c2 | 0.1 to 4.7 | uF |

| Interface | | | |
|-----------|--------|--------|--------|
| Pin no | Symbol | Pin no | Symbol |
| 1 | CS1B | 15 | VSS |
| 2 | RET | 16 | VOUT |
| 3 | A0 | 17 | CAP3- |
| 4 | /WR | 18 | CAP1- |
| 5 | /RD | 19 | CAP1+ |
| 6 | D0 | 20 | CAP2+ |
| 7 | D1 | 21 | CAP2- |
| 8 | D2 | 22 | CAP4+ |
| 9 | D3 | 23 | V4 |
| 10 | D4 | 24 | V3 |
| 11 | D5 | 25 | V2 |
| 12 | D6 | 26 | V1 |
| 13 | D7 | 27 | V0 |
| 14 | VDD | 28 | PSB |

| Feature | | | |
|------------|-----------|----------------|-------------|
| Controller | ST7565R | Module | 55 x 40.5 |
| Duty | 1/64 duty | Viewing Area | 51 x 28.5 |
| Bias | 1/9 bias | Mounting hole | - |
| B/L | - | Character Size | 0.34 x 0.34 |

| Absolute Maximum Rating | | | | | |
|----------------------------|---------|-----------|------|---------|-------|
| I tem | Symbol | Condition | Min | Max | Units |
| Supply for logic voltage | Vdd-Vss | 25°C | -0.3 | 3.6 | V |
| LCD driving supply voltage | Vdd-Vss | 25°C | -0.3 | 13.5 | V |
| Input voltage | Vin | 25°C | -0.3 | Vdd+0.3 | V |

| Electrical Characteristics | | | | | | |
|----------------------------|---------|-----------|------|------|------|-------|
| Item | Symbol | Condition | Min. | Typ. | Max. | Units |
| Power supply voltage | Vdd-Vss | 25°C | 3 | - | 3.6 | V |
| LCD operation voltage | Vop | 25°C | - | 8.5 | - | V |